

Converting Colors

`RYB(50, 183, 249)`

Have a look what the booklet for
RYB(50, 183, 249) contains.

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Color

R_YB(50, 183, 249)

Conversions

Conversions Part 1

Format	Color
Hex	32F995
RGB	50, 249, 149
RGB Percent	20%, 98%, 58%
CMY	0.8039, 0.0235, 0.4167
CMYK	0.80, 0.00, 0.40, 0.02
HSL	150°, 94%, 59%
HSV	150°, 80%, 98%
XYZ	40.5961, 70.5915, 39.8159
YIQ	178.0990, -86.5040, -73.2880

Conversions

Conversions Part 2

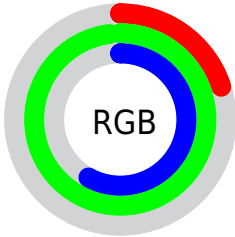
Format	Color
R _Y B	50, 183, 249
Decimal	3340693
CIE Lab	87.29, -68.65, 35.06
CIE LCh	87, 77.087, 152.947
Yxy	70.5915, 0.2688, 0.4675
Android (android.graphics.Color)	4281530773 (0xFF32F995)
YUV	178.0990, -14.3458, -112.3428
Hunter-Lab	84.0187, -60.7853, 30.7160

Details

The RYB color **50, 183, 249** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **249, 50, 150**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **128, 207, 255**, and **0, 127, 191** is the 20% darker color. If you saturate the color by 10%, you get **25, 175, 249**, and if you desaturate by 10%, it is **75, 191, 249**.

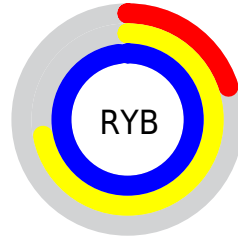
Distribution



Red (20%)

Green (98%)

Blue (58%)



Red (20%)

Yellow (72%)

Blue (98%)

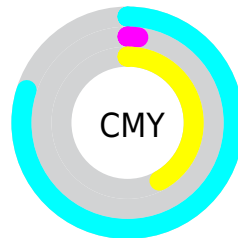


Cyan (80%)

Magenta (0%)

Yellow (40%)

Black (2%)



Cyan (80%)

















Magenta (2%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 183, 249 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 50, 183, 249 by changing the saturation by 10% instead.

 50, 183, 249	 50, 183, 249
 255, 255, 255	 0, 142, 220
 128, 207, 255	 0, 127, 191
 161, 215, 255	 0, 113, 163
 193, 224, 255	 0, 100, 135
 225, 240, 255	 0, 90, 109
	 0, 83, 83
	 0, 58, 58
	 0, 33, 33
	 0, 0, 0

■ 50, 183, 249

■ 50, 183, 249

■ 25, 175, 249

■ 75, 191, 249

■ 0, 166, 249

■ 100, 200, 249

■ 125, 208, 249

■ 150, 216, 249

■ 174, 224, 249

■ 199, 232, 249

■ 224, 240, 249

■ 249, 249, 249

■ 255, 249, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86, 237, 147



50, 183, 249



0, 135, 254

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50, 183, 249



40, 139, 255



255, 166, 143

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 183, 249



249, 50, 150

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 150, 214



50, 183, 249



230, 196, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50, 183, 249



0, 125, 255



255, 166, 255



190, 255, 85

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 183, 249



0, 127, 255



255, 166, 255



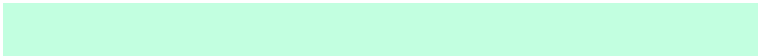
255, 155, 166

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 183, 249



194, 235, 255



50, 249, 146



91, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 183, 249



10, 174, 255



50, 150, 249



112, 120, 125



0, 126, 189



0, 41, 61

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



249, 50, 150



255, 10, 134



249, 50, 53



125, 112, 119



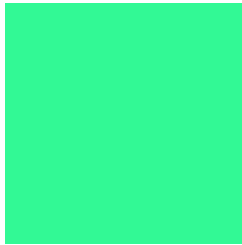
189, 0, 95



61, 0, 31

Previews

White Background



This preview shows how the RYB color 50, 183, 249 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 50, 183, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 50, 183, 249 Background



This preview shows how black text looks on a background with the RYB color 50, 183, 249.

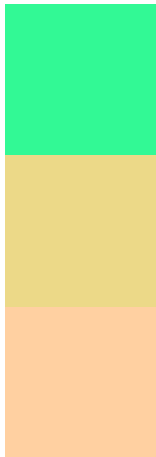


This preview shows how white text looks on a background with the RYB color 50, 183, 249.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

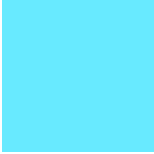
Dichromacy



Original Color
50, 183, 249

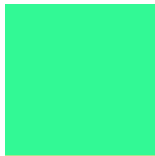
Protanopia
159, 236, 136

Deuteranopia
255, 255, 161



Tritanopia
104, 174, 255

Trichromacy



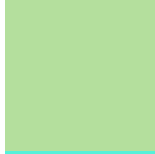
Original Color

50, 183, 249



Protanomaly

141, 229, 202



Deuteranomaly

157, 223, 200



Tritanomaly

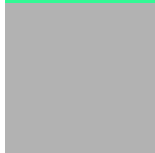
84, 169, 241

Monochromacy



Original Color

50, 183, 249



Achromatopsia

178, 178, 178



Achromatomaly

131, 180, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 183, 249 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(50, 249, 149) looks like.

```
.text, #text, p{  
    color:rgb(50, 249, 149)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(50, 249, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 249, 149) }
```

Border

The CSS property to change the border of an element to RYB 50, 183, 249 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(50, 249, 149) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(50, 249, 149) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(50, 249, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 249, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 249, 149);  
box-shadow:4px 4px 4px 4px rgb(50, 249,  
149) }
```

Background

The CSS property to change the background color of an element to RGB 50, 183, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 249, 149) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(50, 249,  
149) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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